SEACLOUDS

AGILITY AFTER DEPLOYMENT

Modelling Planning Controlling

Seamless Adaptive multi-cloud management of service-based applications

THE PROBLEM

During the last years, numerous and heterogeneous providers have come into the cloud scene by offering a diverse range of SaaS, IaaS and PaaS solutions. The lack of interoperability between these offerings forces users to adapt to the dominant providers, and therefore, reduce their options. It also raises barriers difficult to overcome for new adopters, keeping them off the cloud.

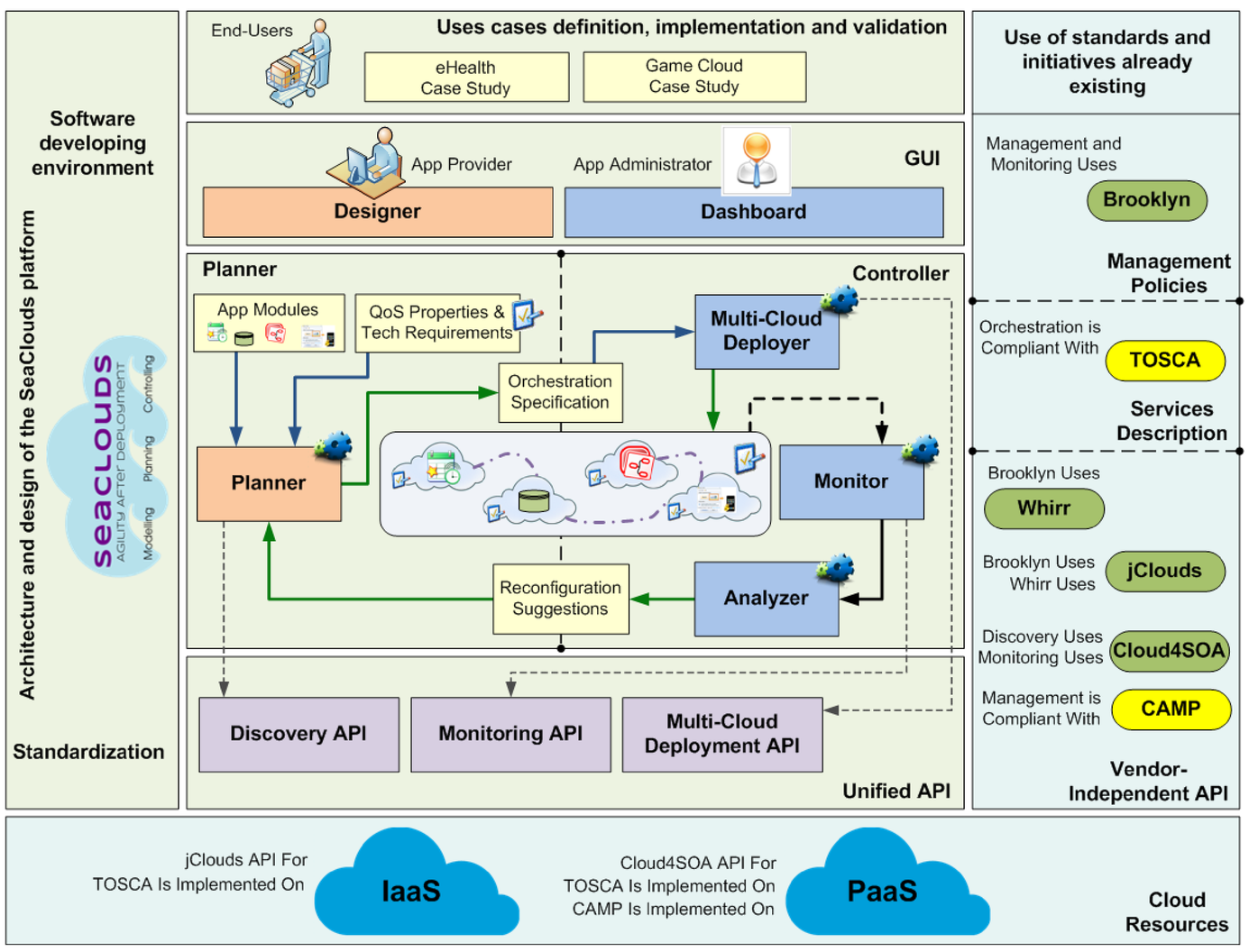
How can complex applications be deployed over multiple heterogeneous Clouds, while guaranteeing QoS and reconfiguring the distribution when problems occur at runtime?

THE SOLUTION

SeaClouds performs a seamless adaptive multi-cloud management of service-based applications by developing Cloud Service Orchestrators and a set of tools to manage complex applications. This allows organizations to embrace Cloud solutions and, at the same time, avoid risks of unreliability and lock-in.

SeaClouds provides the necessary tools and framework for modelling, planning and controlling cloud applications

THE ARCHITECTURE



MAIN OBJECTIVES

- Orchestration and adaptation of services distributed over different cloud providers
- Monitoring and run-time reconfiguration
- Providing unified application management
- Compliance with major standards for cloud interoperability

SeaClouds is an R&D project selected under the "Software and Service Architectures & Infrastructures".
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